84-094116/15	A41 E13	UYSA 21.10.81	UYSA 21.10.81 A(1.D3, 1.D10, 2.C) E(
SARAT UNIV MECHANIC		*SU 1027-150-A	
21.10.81-5U-379034	(07.07.83)	21.10.81-SU-379034 (07.07.83) C07c-15/46 C07c-67/48 C07c-	
69/65			
Stabilisation of styrene	or methyl-me	Stabilisation of styrene or methyl-methacrylate - improved by using	

Stabitisation of styrene or methyl-methacrylate - improved by us imino-oxyl radical inhibitors

C84-040065

methacrylate is retarded for 650-686 mins, compared with 232 with the original inhibitor; polymerisation of methyl They are obtd. by the interaction of 2,2,6,6-tetramethyl-4 oxopiperidine-t-oxy, 'TMPO', with hexamethylenedlisocyanate for 4 hrs. with 3.45 g TMPO in 40 ml. dry benzene, washed ir hexane and the obtd. resin dissolved in 20 ml. nitromethane concns. of Inhibitor 0.5-2.0 x power minus 4 mol/1, polymerisatior of styrene is retarded for 165-185 mins. compared with 73 mins These inhibitors are used during purificn, storage and transpor polymerisation is undesirable. They are based on cpds, o hexamethylenediisocyanate in 10 ml of dry benzene are heater nitromethane. The solvent is evapd. under lowered pressure and the residue recrystallised from a mixt, of ether and hexane. With of styrene and methyl methacrylate in circumstances wher chromatographed over aluminium oxide and eluted wit formula (I), where R is -NH (CH2)6-NH or gp. of formula (II or dischloroanhydride of butylterepthalic acid e.g. 1.85 mins. Bul. 25/7.7.83 (3pp Dwg. No. 0/0)

φ φ	
	CZ H9
A(1.D3, 1.D10, 2.C) E(7.D5, 10.G2H, 10.J284)	CH3 CH3 -0-C-R-C-0 -0 H CH3 CH3 (I)
A(1-D3, 1-D10, 2	CH3 CH3
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